

09980325_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09980325 on June 25, 2004

Original Classifications

4 381/408
2 367/175
2 381/190
2 381/431
2 381/96

Cross-Reference Classifications

3 73/728
3 381/354
2 181/159
2 181/171
2 181/174
2 336/30
2 340/388.1
2 367/182
2 381/348
2 381/396
2 381/401
2 381/402
2 381/431

Combined Classifications

5 381/408
4 73/728
4 381/431
3 336/30
3 340/388.1
3 367/175
3 381/354
3 381/396
2 73/708
2 181/159
2 181/171
2 181/174
2 335/231
2 367/182
2 381/162
2 381/186
2 381/190
2 381/348
2 381/398
2 381/401
2 381/402

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2 381/417
2 381/419
2 381/96

09980325_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09980325 on June 25, 2004

5 381/408 (4 OR, 1 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/396 .Electromagnetic (e.g., dynamic)
381/400 ..Movable voice coil
381/408 ...Pattern

4 73/728 (1 OR, 3 XR)
Class 073 : MEASURING AND TESTING
73/700 FLUID PRESSURE GAUGE
73/715 .Diaphragm
73/723 ..With electrical readout
73/728 ...Electromagnetic

4 381/431 (2 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/396 .Electromagnetic (e.g., dynamic)
381/423 ..Specified diaphragm shape or structure
381/431 ...Flat

3 336/30 (1 OR, 2 XR)
Class 336 : INDUCTOR DEVICES
336/30 WITH CONDITION-RESPONSIVE INDUCTANCE ADJUSTING
MEANS (E.G., BY ELECTROMAGNET)

3 340/388.1 (1 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/384.1 AUDIBLE INDICATION
340/388.1 .Diaphragm (e.g., horn or buzzer)

3 367/175 (2 OR, 1 XR)
Class 367 : COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE
SYSTEMS AND DEVICES
367/140 SIGNAL TRANSDUCERS
367/141 .Underwater type
367/174 ..Transducer with diaphragm
367/175 ...Diaphragm with electric driving coil

3 381/354 (0 OR, 3 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS

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AND DEVICES

381/150	ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337	.Having acoustic wave modifying structure
381/354	..Absorbing or attenuating element
3 381/396	(1 OR, 2 XR)
Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/150	ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/396	.Electromagnetic (e.g., dynamic)
2 73/708	(1 OR, 1 XR)
Class 073 :	MEASURING AND TESTING
73/700	FLUID PRESSURE GAUGE
73/708	.With pressure and/or temperature compensation
2 181/159	(0 OR, 2 XR)
Class 181 :	ACOUSTICS
181/157	DIAPHRAGM
181/159	.With horn
2 181/171	(0 OR, 2 XR)
Class 181 :	ACOUSTICS
181/157	DIAPHRAGM
181/171	.Mounting or suspension means
2 181/174	(0 OR, 2 XR)
Class 181 :	ACOUSTICS
181/157	DIAPHRAGM
181/173	.Particular shape
181/174	..Variable thickness
2 335/231	(1 OR, 1 XR)
Class 335 :	ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS
335/209	MAGNETS AND ELECTROMAGNETS
335/220	.With magneto-mechanical motive device (e.g., electromagnet with armature)
335/229	..With permanent magnet
335/230	...Polarized electromagnet
335/231Varying alternating current amplitude responsive
2 367/182	(0 OR, 2 XR)
Class 367 :	COMMUNICATIONS, ELECTRICAL: ACOUSTIC WAVE SYSTEMS AND DEVICES
367/140	SIGNAL TRANSDUCERS

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	367/178		.Receivers
	367/182		..Moving coil
2	381/162	(1 OR, 1 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/162		.Detail of mechanical vibration coupling to transducer (e.g., tuned vibrating element)
2	381/186	(1 OR, 1 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/182		.Plural or compound reproducers
	381/186		..Plural diaphragms
2	381/190	(2 OR, 0 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/190		.Electrostrictive, magnetostrictive, or piezoelectric
2	381/348	(0 OR, 2 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/337		.Having acoustic wave modifying structure
	381/345		..Acoustic enclosure
	381/346		...Acoustic resistance
	381/348	On rear side of diaphragm
2	381/398	(1 OR, 1 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/396		.Electromagnetic (e.g., dynamic)
	381/398		..Having diaphragm support feature
2	381/401	(0 OR, 2 XR)	
	Class	381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/150		ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	381/396		.Electromagnetic (e.g., dynamic)
	381/400		..Movable voice coil
	381/401		...Multiple voice coils

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- 2 381/402 (0 OR, 2 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
 - 381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
 - 381/396 .Electromagnetic (e.g., dyynamic)
 - 381/400 ..Movable voice coil
 - 381/401 ...Multiple voice coils
 - 381/402For different frequencies

- 2 381/417 (1 OR, 1 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
 - 381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
 - 381/396 .Electromagnetic (e.g., dyynamic)
 - 381/412 ..Magnetic circuit
 - 381/417 ...Armature diaphragm

- 2 381/419 (1 OR, 1 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
 - 381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
 - 381/396 .Electromagnetic (e.g., dyynamic)
 - 381/412 ..Magnetic circuit
 - 381/419 ...Not having central magnetic portion

- 2 381/96 (2 OR, 0 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
 - 381/96 LOUDSPEAKER FEEDBACK

09980325_EAST

(5796854
4257325
4782817
4821245
4829828
5197104
5305288
5315877
5373487
5381231
5493620
6083082
6139488
6328647
6600400
6658133
6671383
4459992
4597286
4949806
5218337
5419204
5652801
6053873
3686446
3674946
3651283
3645293
3919500
3873784
3801943
3792874
4001765
4015227
4020296
4081627
4281223
4283605
4284857
4297538
4311040
4326419
4334321
4353050
4374377
4384173
4385210
4395916